



**Material Safety Data Sheet**

Date last revised \_\_\_\_\_

RECEIVED  
APR 1 1993

MSDS # 71378-D

24 Hour Chemical Emergency  
CMB 1-800-457-4280

**I. General Information**

Chemical Name & Synonyms  Chemical Family  Proper DOT Shipping Name  Manufacturer FACTOR II, INC. Manufacturer's Address P.O. BOX 1339, Lakeside, Az 85929	Trade Name & Synonyms A-101 Silicone Elastomer Formula  DOT Hazard Classification  Manufacturer's Phone Number (602) 537-8387 Chemtrec Phone Number
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**II. Ingredients**

Principal Hazardous Components	Percent	Threshold Limit Value (units)
Tetra-n-propoxysilicate		
LD 50 oral rat	2-10%	7 500 mg/kg
LD 50 dermal rabbit		7 200 mg/kg

**III. Physical Data**

Boiling Point (°F) (greater than) 300°F Vapor Pressure (mm Hg.) @ 77°F less than 5mm Vapor Density (Air = 1) N/A Solubility in Water Insoluble Appearance & Odor Thick white liquid slight alcohol smell	Specific Gravity (H <sub>2</sub> O = 1) 1.13 Percent Volatile By Volume (%) Less than 5% Evaporation Rate (_____ = 1) Ether=1 less than 1 pH
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**IV. Fire & Explosion Hazard Data**

Flash Point (Test Method) COC 275°F Flammable Limits	Auto Ignition Temperature Not determined LEL N/A	UEL N/A
Extinguishing Media Foam dry chemical, CO <sub>2</sub> water spray		
Special Fire Fighting Procedures Self contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals		
usual Fire & Explosion Hazards none known		

## V. Health Hazard Data

OSHA Permissible Exposure Limit

ACGIH Threshold Limit Value

Carcinogen - NTP Program

Carcinogen - IARC Program

NO

Symptoms of Exposure

Direct contact with eyes may cause mild temporary irritation

Medical Conditions Aggravated By Exposure

None known, but unnecessary exposure to any chemical should be avoided

Primary Route(s) of Entry

Eyes - flush with water

Emergency First Aid

If contacted with eyes flush with water for 15 mins.

Skin - wash with soap and water

## VI. Reactivity Data

Stability	XX	Unstable Stable	Conditions To Avoid N/A
Incompatibility			Materials To Avoid Oxidizing material can cause a reaction
Hazardous Polymerization	XX	May Occur Will Not Occur	Conditions To Avoid N/A
Hazardous Decomposition Products Silicone Dioxide (SiO <sub>2</sub> ), Carbon Dioxide, Hydrocarbons			

## VII. Environmental Protection Procedures

Spill Response

Spills should be contained. Large spills removed by vacuum. Smaller spills soaked up by absorbent.

Waste Disposal Method

Dispose of in accordance with all local, state and federal regulations.

## VIII. Special Protection Information

Eye Protection

Safety goggles

Respiratory Protection (Specific Type)

None required

Other Protection

Eyewash recommended in work area

Skin Protection

Washing at mealtime and shift end

Ventilation Recommended

N/A

## IX. Special Precautions

Hygienic Practices In Handling & Storage

Store below 90 °F, precautions common to good manufacturing procedures should be followed.

Precautions For Repair & Maintenance Of Contaminated Equipment

N/A

Other Precautions

Traces of formaldehyde and other thermal decomposition products may occur at elevated temperatures above 150°C. Provide adequate ventilation at elevated temperatures.

Stability Unstable  Conditions  
Stable  to AvoidAvoid elevated temperatures, open flames, oxygen, H<sub>2</sub>OIncompatibility  
(Materials to Avoid)

Water, acid, base, oxidizers, galvanized steel

Hazardous

Decomposition Products Organotin, tin oxides

Hazardous May Occur  ConditionsPolymerization Will Not Occur  to Avoid

## SECTION 6 - HEALTH HAZARDS

1. Acute

2. Chronic

Irritating to eyes and skin, toxic by ingestion

Signs and

Symptoms of Exposure Overexposure via inhalation or skin absorption may cause

headache and nausea

Medical Conditions Generally

Aggravated by Exposure Not known

Chemical Listed as Carcinogen  
or Potential CarcinogenNational Toxicology  
ProgramYes   
No I.A.R.C.  
MonographsYes   
No OSHA  
Yes   
No 

Emergency and

First Aid Procedures Remove to fresh air, wash exposed skin, flush eyes for 15.

minutes with clear water.

ROUTES  
OF  
ENTRY

1. Inhalation

Low volatility-unlikely to be inhaled

2. Eyes

Wash with water for 15 minutes. Seek medical assistance

3. Skin

Wash with soap and water. Seek medical assistance if irritation occurs

4. Ingestion

Seek medical assistance

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken  
in Handling and Storage

Store in air tight containers in cool dry area remote from

strong oxidants. Avoid contact with eyes and skin. Do not eat, drink

Other or smoke in the work area.

Precautions

Keep containers tightly closed.

Steps to be Taken in Case

Material is Released or Spilled

Cover spill with absorbant material. Transfer to a suitable

container for disposal.

Waste Disposal

Methods (Consult federal, state, and local regulations)

Dispose of in accordance with all local, state and

federal regulations.

## SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection

(Specify Type)

Use NIOSH/MSHA approved respirator

Ventilation

recommended

Local  
ExhaustMechanical  
(General)

required

Special

Other

Protective

Gloves

Use chemical resistant gloves

Eye  
Protection

Use chemical goggles

Other Protective

Clothing or Equipment

Eye wash &amp; safety gloves

Work/Hygiene Practices

Normal good manufacturing practices.

## IMPORTANT

Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate

# Material Safety Data Sheet

6382 Catalyst

QUICK IDENTIFIER

Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

## SECTION 1 -

### Manufacturer's Name

FACTOR II INC.

### Address

P.O. BOX 1339

### City, State, and ZIP

LAKESIDE, AZ 85929

### Emergency Telephone No.

(602) 537-8387

### Other Information Calls

(800) 332-8688

(602) 537-8387

### Signature of Person Responsible for Preparation (Optional)

### Date Prepared

January 11, 1988

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

### Hazardous Component(s) (chemical & common name(s))

OSHA PEL

ACGIH TLV

Other Exposure Limits

% (optional)

CAS NO.

Organic Tin Salt (stannous Octoate) 0.1 mg/m<sup>3</sup>

75-90

LD (oral rat) 2800 mg/kg

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

### Boiling Point

NA

### Specific Gravity (H<sub>2</sub>O=1)

1.25

### Vapor Pressure (mm Hg)

unknown

### Vapor Density (Air = 1)

unknown

### Solubility in Water

insoluble

### Reactivity in Water

unknown

### Appearance and Odor

Clear yellow liquid characteristic odor

### Melting Point

-40F

## SECTION 4 - FIRE & EXPLOSION DATA

### Flash Point

217 C.

### Method Used

COC

### Flammable Limits in Air % by Volume

LEL Lower

NA

### UEL Upper

NA

### Auto-ignition Temperature

unknown

### Extinguisher Media

foam, CO<sub>2</sub>, dry chemical

### Special Fire Fighting Procedures

Fire fighters should be equipped with self contained breathing apparatus

### Unusual Fire and Explosion Hazards

Irritating fumes may develop when heated.

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	XX	Stable	
Incompatibility			Materials To Avoid Oxidizing material can cause a reaction
Hazardous		May Occur	Conditions To Avoid
Polymerization	XX	Will Not Occur	N/A
Hazardous Decomposition Products Silicone Dioxide (SiO <sub>2</sub> ), Carbon Dioxide, Hydrocarbons			

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